

ABSTRACT

An electric motor selectively connectable to receive one of a plurality of supply voltages, the plurality of supply voltages comprising a low supply voltage and a high supply voltage. The motor can comprise a stator having a first winding and a second winding, a shaft rotatable about a motor axis, and a rotor supported by the shaft for rotation with the shaft relative to the stator. The motor can also comprise a voltage selection device, a first motor protector, and a second motor protector. The voltage selection device can include a first setting and a second setting and can be configured to connect the first winding in parallel with the second winding when set to the first setting and to connect the first winding in series with the second winding when set to the second setting. The first motor protector can be configured to limit current through the first winding and the second winding when an overload condition exists. The second motor protector can be configured to limit current through the first winding and the second winding when the voltage selection device is set to the first setting and the electric motor is connected to a high supply voltage.

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